RAW SEQUENCE LISTING DATE: 10/04/2001
PATENT APPLICATION: **US/09/936,956** TIME: 14:48:58

Input Set : **A:\sequence.txt**
Output Set: **N:\CRF3\10042001\I936956.raw**

```
 4 <110> APPLICANT: KuDOS Pharmaceuticals Limited
 5        Jackson, Stephen P
 6        Durocher, Daniel
 8 <120> TITLE OF INVENTION: Screening Methods Based on FHA Domains
10 <130> FILE REFERENCE: MEWE014
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C--> 12 **<140> CURRENT APPLICATION NUMBER: US/09/936,956**
C--> 13 **<141> CURRENT FILING DATE: 2001-09-17**
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15 <150> PRIOR APPLICATION NUMBER: GB 9906432.1
16 <151> PRIOR FILING DATE: 1999-03-19
18 <150> PRIOR APPLICATION NUMBER: GB 9915075.7
19 <151> PRIOR FILING DATE: 1999-06-28
21 <160> NUMBER OF SEQ ID NOS: 57
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 56
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
33 <220> FEATURE:
34 <221> NAME/KEY: SITE
35 <222> LOCATION: (1, 14, 21, 37, 53, 55)
36 <223> OTHER INFORMATION: Xaa represents a hydrophobic amino acid
38 <220> FEATURE:
39 <221> NAME/KEY: SITE
40 <222> LOCATION: (3)
41 <223> OTHER INFORMATION: Xaa is Arg or Lys
43 <220> FEATURE:
44 <221> NAME/KEY: SITE
45 <222> LOCATION: (4)..(13), 17, 20, 22..31, 39..46, 48, 49, 52, 54
46 <223> OTHER INFORMATION: Xaa represents any amino acid
48 <220> FEATURE:
49 <221> NAME/KEY: SITE
50 <222> LOCATION: (15)
51 <223> OTHER INFORMATION: Xaa is Ser or Gly
53 <220> FEATURE:
54 <221> NAME/KEY: SITE
55 <222> LOCATION: (16)
56 <223> OTHER INFORMATION: Xaa is Arg or Asn
59 <220> FEATURE:
60 <221> NAME/KEY: SITE
61 <222> LOCATION: (18)
62 <223> OTHER INFORMATION: Xaa is His or Gln
65 <220> FEATURE:
66 <221> NAME/KEY: SITE
67 <222> LOCATION: (32)
68 <223> OTHER INFORMATION: Xaa is Ser or Thr or Gly
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ENTERED

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PATENT APPLICATION: US/09/936,956   TIME: 14:48:58

Input Set : **A:\sequence.txt**
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 70 <220> FEATURE:
 71 <221> NAME/KEY: SITE
 72 <222> LOCATION: (38)
 73 <223> OTHER INFORMATION: Xaa is Asn or Asp
 75 <220> FEATURE:
 76 <221> NAME/KEY: SITE
 77 <222> LOCATION: (47)
 78 <223> OTHER INFORMATION: Xaa is Leu or Ile
 80 <220> FEATURE:
 81 <221> NAME/KEY: VARIANT
 82 <222> LOCATION: (4)..(13)
 83 <223> OTHER INFORMATION: 10 - 40 Xaa
 85 <220> FEATURE:
 86 <221> NAME/KEY: VARIANT
 87 <222> LOCATION: (22)..(31)
 88 <223> OTHER INFORMATION: 10 - 50 Xaa
 90 <220> FEATURE:
 91 <221> NAME/KEY: VARIANT
 92 <222> LOCATION: (39)..(46)
 93 <223> OTHER INFORMATION: 8 - 25 Xaa
 95 <400> SEQUENCE: 1
```
W--> `96 Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa`
```
 97    1               5                  10                  15
```
W--> `99 Xaa Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa`
```
100              20                  25                  30
```
W--> `102 Asn Gly Thr Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa`
```
103              35                  40                  45
```
W--> `105 Xaa Gly Asp Xaa Xaa Xaa Xaa Gly`
```
106         50                  55
109 <210> SEQ ID NO: 2
110 <211> LENGTH: 15
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
117 <400> SEQUENCE: 2
118 Ala Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu
119    1               5                  10                  15
122 <210> SEQ ID NO: 3
123 <211> LENGTH: 15
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
130 <220> FEATURE:
131 <221> NAME/KEY: MOD_RES
132 <222> LOCATION: (5)
133 <223> OTHER INFORMATION: PHOSPHORYLATION
135 <400> SEQUENCE: 3
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PATENT APPLICATION: US/09/936,956   TIME: 14:48:58

Input Set : **A:\sequence.txt**
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```
136 Ala Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu
137   1               5                   10                  15
140 <210> SEQ ID NO: 4
141 <211> LENGTH: 15
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
148 <220> FEATURE:
149 <221> NAME/KEY: MOD_RES
150 <222> LOCATION: (8)
151 <223> OTHER INFORMATION: PHOSPHORYLATION
153 <400> SEQUENCE: 4
154 Ala Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu
155   1               5                   10                  15
158 <210> SEQ ID NO: 5
159 <211> LENGTH: 15
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
166 <220> FEATURE:
167 <221> NAME/KEY: MOD_RES
168 <222> LOCATION: (8)
169 <223> OTHER INFORMATION: PHOSPHORYLATION
171 <400> SEQUENCE: 5
172 Ala Pro Pro Leu Ala Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu
173   1               5                   10                  15
176 <210> SEQ ID NO: 6
177 <211> LENGTH: 15
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
184 <220> FEATURE:
185 <221> NAME/KEY: MOD_RES
186 <222> LOCATION: (8)
187 <223> OTHER INFORMATION: PHOSPHORYLATION
189 <400> SEQUENCE: 6
190 Ala Pro Pro Leu Ser Ala Glu Thr Phe Ser Asp Leu Trp Lys Leu
191   1               5                   10                  15
194 <210> SEQ ID NO: 7
195 <211> LENGTH: 15
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
202 <220> FEATURE:
203 <221> NAME/KEY: MOD_RES
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PATENT APPLICATION: US/09/936,956   TIME: 14:48:58

Input Set : **A:\sequence.txt**
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```
204 <222> LOCATION: (8)
205 <223> OTHER INFORMATION: PHOSPHORYLATION
207 <400> SEQUENCE: 7
208 Ala Pro Pro Leu Ser Gln Ala Thr Phe Ser Asp Leu Trp Lys Leu
209   1           5               10              15
212 <210> SEQ ID NO: 8
213 <211> LENGTH: 15
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
220 <220> FEATURE:
221 <221> NAME/KEY: MOD_RES
222 <222> LOCATION: (8)
223 <223> OTHER INFORMATION: PHOSPHORYLATION
225 <400> SEQUENCE: 8
226 Ala Pro Pro Leu Ser Gln Glu Thr Ala Ser Asp Leu Trp Lys Leu
227   1           5               10              15
230 <210> SEQ ID NO: 9
231 <211> LENGTH: 15
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
238 <220> FEATURE:
239 <221> NAME/KEY: MOD_RES
240 <222> LOCATION: (8)
241 <223> OTHER INFORMATION: PHOSPHORYLATION
243 <400> SEQUENCE: 9
244 Ala Pro Pro Leu Ser Gln Glu Thr Phe Ala Asp Leu Trp Lys Leu
245   1           5               10              15
248 <210> SEQ ID NO: 10
249 <211> LENGTH: 15
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
256 <220> FEATURE:
257 <221> NAME/KEY: MOD_RES
258 <222> LOCATION: (8)
259 <223> OTHER INFORMATION: PHOSPHORYLATION
261 <400> SEQUENCE: 10
262 Ala Pro Pro Leu Ser Gln Glu Thr Phe Ser Ala Leu Trp Lys Leu
263   1           5               10              15
266 <210> SEQ ID NO: 11
267 <211> LENGTH: 12
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 10/04/2001
PATENT APPLICATION: US/09/936,956   TIME: 14:48:58

Input Set : A:\sequence.txt
Output Set: N:\CRF3\10042001\I936956.raw

```
272 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
274 <220> FEATURE:
275 <221> NAME/KEY: MOD_RES
276 <222> LOCATION: (6)
277 <223> OTHER INFORMATION: PHOSPHORYLATION
279 <400> SEQUENCE: 11
280 Ala Leu Ala Ala Ala Thr Ala Ala Asp Ala Ala Leu
281    1               5                  10
284 <210> SEQ ID NO: 12
285 <211> LENGTH: 12
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
292 <400> SEQUENCE: 12
293 Ala Leu Ala Ala Ala Asp Ala Ala Asp Ala Ala Leu
294    1               5                  10
297 <210> SEQ ID NO: 13
298 <211> LENGTH: 15
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
305 <220> FEATURE:
306 <221> NAME/KEY: MOD_RES
307 <222> LOCATION: (8)
308 <223> OTHER INFORMATION: PHOSPHORYLATION
310 <400> SEQUENCE: 13
311 Ala Pro Pro Leu Ser Gln Glu Ser Phe Ser Asp Leu Trp Lys Leu
312    1               5                  10                 15
315 <210> SEQ ID NO: 14
316 <211> LENGTH: 11
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
323 <400> SEQUENCE: 14
324 Gly Gly Lys Lys Ala Thr Gln Ser Gln Glu Tyr
325    1               5                  10
328 <210> SEQ ID NO: 15
329 <211> LENGTH: 11
330 <212> TYPE: PRT
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthesised
336 <220> FEATURE:
337 <221> NAME/KEY: MOD_RES
338 <222> LOCATION: (8)
339 <223> OTHER INFORMATION: PHOSPHORYLATION
```

Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/936,956

DATE: 10/04/2001
TIME: 14:48:59

Input Set : **A:\sequence.txt**
Output Set: **N:\CRF3\10042001\I936956.raw**

```
L:12  M:270 C: Current Application Number differs, Replaced Current Application Number
L:13  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:96  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:99  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/936,956

DATE: 10/04/2001
TIME: 14:48:59

Input Set : **A:\sequence.txt**
Output Set: **N:\CRF3\10042001\I936956.raw**

```
L:765 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:30
L:789 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:31
L:816 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:32
L:843 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:33
```